

#22/letter  
PAGE 01 9/23/03  
D.Bell

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Reissue Application of: Park, Melvin A.

Serial No.: 09/432,984

Group Art Unit: 2881

Filed: November 2, 1999

Examiner: J. Berman

For: MULTIDEFLECTOR

Atty. Doc. No.: 140-032

Honorable Commissioner for Patents  
P.O. Box 1450  
Arlington, VA 22313-1450

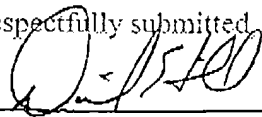
LETTER

S I R:

It has come to our attention that applicant's surrender of the original U.S. Letters Patent No. 5,696,375 has been lost. This letter confirms that on March 25, 2003 applicant did surrender the original U.S. Patent No. 5,696,375 in a mailing to the Patent Office via Express Mail. A copy of this submission is attached along with a copy of the return receipt postcard indicating receipt by the Patent Office of applicant's March 25, 2003 submission. If there are any questions, please contact the undersigned attorney of record.

Date: August 1, 2003

Respectfully submitted,

  
\_\_\_\_\_  
David M. Hill  
Reg. No. 46,170  
WARD & OLIVO  
708 Third Avenue  
New York, New York 10017  
(212) 697-6262

## PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Reissue Application of: Park, Melvin A.

Serial No.: 09/432,984

Group Art Unit: 2881

Filed: November 2, 1999

Examiner: J. Berman

For: MULTIDEFLECTOR

Atty. Doc. No.: 140-032

Honorable Commissioner of Patents and Trademarks  
Washington, D.C. 20231

TRANSMITTAL

SIR:

Submitted herewith is:

1. Surrender of Original U.S. Letters Patent No. 5,696,375.

Date: March 25, 2003

Respectfully submitted,



David M. Hill

Reg. No. 46,170

WARD & OLIVO

708 Third Avenue

New York, New York 10017

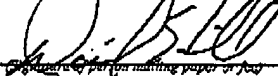
(212) 697-6262

EXPRESS MAIL CERTIFICATION

"Express Mail" mailing label number ET547828915US Date of deposit: March 25, 2003. I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to the Commissioner for Patents and Trademarks, Box After Final, Washington, DC 20231

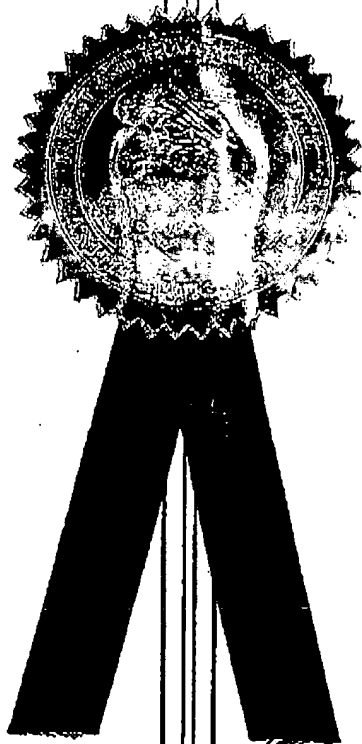
David M. Hill

(Type or print name of person affixing paper or fee)



(Signature of person affixing paper or fee)

# The United States of America



## The Commissioner of Patents and Trademarks

*Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.*

*Therefore, this*

## United States Patent

*Grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America for the term set forth below, subject to the payment of maintenance fees as provided by law.*

*If this application was filed prior to June 8, 1995, the term of this patent is the longer of seventeen years from the date of grant of this patent or twenty years from the earliest effective U.S. filing date of the application, subject to any statutory extension.*

*If this application was filed on or after June 8, 1995, the term of this patent is twenty years from the filing date, subject to any statutory extension. If the application contains a specific reference to an earlier filed application or applications under 35 U.S.C. 120, 121 or 365(c), the term of the patent is twenty years from the date on which the earliest application was filed, subject to any statutory extension.*

*Bence Lehman*

Commissioner of Patents and Trademarks

*Melvinia Gary*

Attest

## NOTICE

*If the application for this patent was filed on or after December 12, 1980, maintenance fees are due three years and six months, seven years and six months, and eleven years and six months after the date of this grant, or within a grace period of six months thereafter upon payment of a surcharge as provided by law. The amount, number and timing of the maintenance fees required may be changed by law or regulation. Unless payment of the applicable maintenance fee is received in the Patent and Trademark Office on or before the date the fee is due or within a grace period of six months thereafter, the patent will expire as of the end of such grace period.*



US005696375A

**United States Patent** [19]**Park et al.****[11] Patent Number: 5,696,375****[45] Date of Patent: Dec. 9, 1997**

[54] MULTIDEFLECTOR

5,696,375 3/1993 Patentmap 250/287

[75] Inventors: Melvin Park, Nashua, N.H.; Claus  
Köster, Lillienthal, GermanyPrimary Examiner—Jack L. Berman  
Attorney, Agent, or Firm—Ward & Olivo[73] Assignee: Bruker Analytical Instruments, Inc.,  
Billerica, Mass.

[57] ABSTRACT

[21] Appl. No.: 560,396

[22] Filed: Nov. 17, 1995

[51] Int. Cl.<sup>6</sup> H01J 49/40; H01J 49/28

[52] U.S. Cl. 250/287; 250/294

[58] Field of Search 250/287, 294

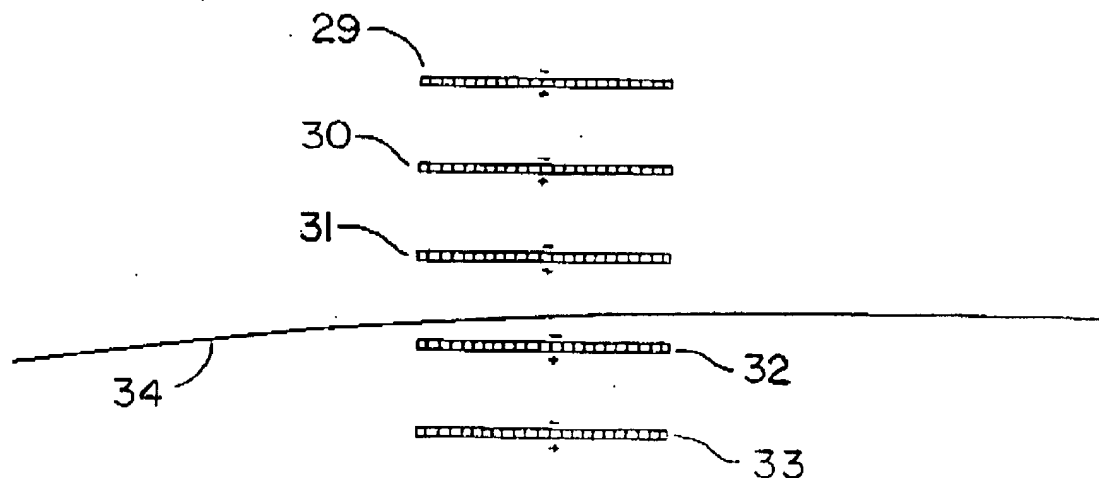
A method and apparatus to direct ions away from their otherwise intended or parallel course. Deflectors are used to establish electric fields in regions through which ions are to pass. With such electric fields, ions may be deflected to a desired trajectory. According to the present invention, a multideflector, in the form of a series of bipolar plates spaced evenly across the ion beam path, is used as an ion deflector.

[56] References Cited

## U.S. PATENT DOCUMENTS

5,117,107 5/1992 Guilhaus et al. 250/287

22 Claims, 14 Drawing Sheets



ET 547828915 US

In re application of: Melvin A. Park  
Serial No.: 09/432,984  
Filing Date: November 2, 1999  
For: MULTIDEFLECTOR

Submitted:

1. Transmittal; and
2. Surrender of Original U.S. Letters Patent No. 5, 696,375.

Atty. Doc. No.: 140-032

Dated: March 25, 2003

In re application of: Melvin A. Park  
Serial No.: 09/432,984  
Filing Date: November 2, 1999  
For: MULTIDEELECTOR



Submitted:

1. Transmittal; and
2. Surrender of Original U.S. Letters Patent No. 5, 696,375.

Atty. Doc. No.: 140-032

Dated: March 25, 2003

**FACSIMILE TRANSMISSION COVER SHEET****TO**Name ATTN.: BOX AFTER FINALTitle FAX RECEIVEDDept. AUG 01 2003Company or Firm United States Patent & Trademark OfficeAddress TECHNOLOGY CENTER 2800Facsimile Tel. # (703) 872-9319**FROM****WARD & OLIVO**

708 Third Avenue  
New York, New York 10017  
Telephone: (212) 697-6262  
Facsimile: (212) 972-5866

Name of Sender David M. HillDate August 1, 2003 Pages (including this page) Nine (9)Client 140-032 File # 

If there is a problem with this transmittal, please telephone us at (212) 697-6262.

**COMMENTS**

**THIS FACSIMILE MESSAGE IS CONFIDENTIAL AND MAY CONTAIN  
ATTORNEY PRIVILEGED INFORMATION INTENDED ONLY FOR THE USE OF  
THE INDIVIDUAL OR COMPANY NAMED ABOVE.**

If the reader is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please immediately notify us by telephone, so that we may arrange for the return of the original message to us. Thank you.



**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Reissue Application of: Park, Melvin A.

Serial No.: 09/432,984

Group Art Unit: 2881

Filed: November 2, 1999

Examiner: J. Berman

For: MULTIDEFLECTOR

Atty. Doc. No.: 140-032

Honorable Commissioner for Patents  
P.O. Box 1450  
Arlington, VA 22313-1450  
Attn.: AFTER FINAL

**TRANSMITTAL**

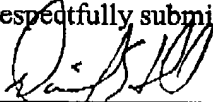
S I R:

Submitted herewith is:

1. Letter, including copy of previous submission regarding surrender of Original U.S. Letters Patent No. 5,696,375 and return receipt postcard.

Date: August 1, 2003

Respectfully submitted,

  
\_\_\_\_\_  
David M. Hill  
Reg. No. 46,170  
WARD & OLIVO  
708 Third Avenue  
New York, New York 10017  
(212) 697-6262

**CERTIFICATE OF TRANSMISSION**

I hereby certify that this correspondence is being transmitted to the Commissioner for Patents, P.O. Box 1450, Arlington, Virginia 22313-1450 via facsimile to (703) 872-9319, on the date indicated below.

David M. Hill		46,170	8/1/03
(Name)	(Signature)	(Reg. No.)	(Date)